

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference OFQ4P196	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2004/002920	International filing date (day/month/year) 11 NOVEMBER 2004 (11.11.2004)	(Earliest) Priority Date (day/month/year) 11 NOVEMBER 2003 (11.11.2003)
Applicant DOOSAN CORPORATION et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II)

3. Unity of invention is lacking (See Box No. III)

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. _____

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

b. none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002920

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A61K 7/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

- IPC: A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JICST-EPLUS(STN), KOSMET(STN), CAPLUS(STN), SCISEARCH(STN), BIOTECHNO(STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2794366 A1 (KIM HYUN JOON) 8 DECEMBER 2000 see the whole document	1-9
Y	US 6,403,111 B1 (DOOSAN CORP.) 11 JUNE 2002 See the whole document	1-9
A	EP 975325 A1 (DSM N.V.) 2 FEBRUARY 2002 See the abstract	1-9
A	US 6,372,236 B1 (DOOSAN CORP.) 16 APRIL 2002 See the claims	1-9
A	Carter, Herbert E et al, "Biochemistry of the sphingolipides. X. Phytoglycolipide, a complex phytosphingosine-containing lipide from plant seeds". Journal of the American Oil Chemist's Society, 1958, Vol. 35, pp.335-343	1-9

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

18 FEBRUARY 2005 (18.02.2005)

Date of mailing of the international search report

21 FEBRUARY 2005 (21.02.2005)

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea
Facsimile No. 82-42-472-7140

Authorized officer

CHANG, Jin Ah

Telephone No. 82-42-481-5602



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002920

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2794366 A1	08.12.2000 CA 2281430 AA	JP 2001039859 A2 03.12.2000	13.02.2001
US 6403111 B1	11.06.2002	None	
EP 975325 A1	02.02.2000	WO99/29293 A1 US 20030215414 A1 EP 975325 B1 DE 69818242 T2 CN 1112916 B	17.06.1999 20.11.2003 17.09.2003 01.07.2004 02.07.2003
US 6372236 B1	16.04.2002	None	